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R. S. REYNOLDS

CARTON

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Fig. 1.

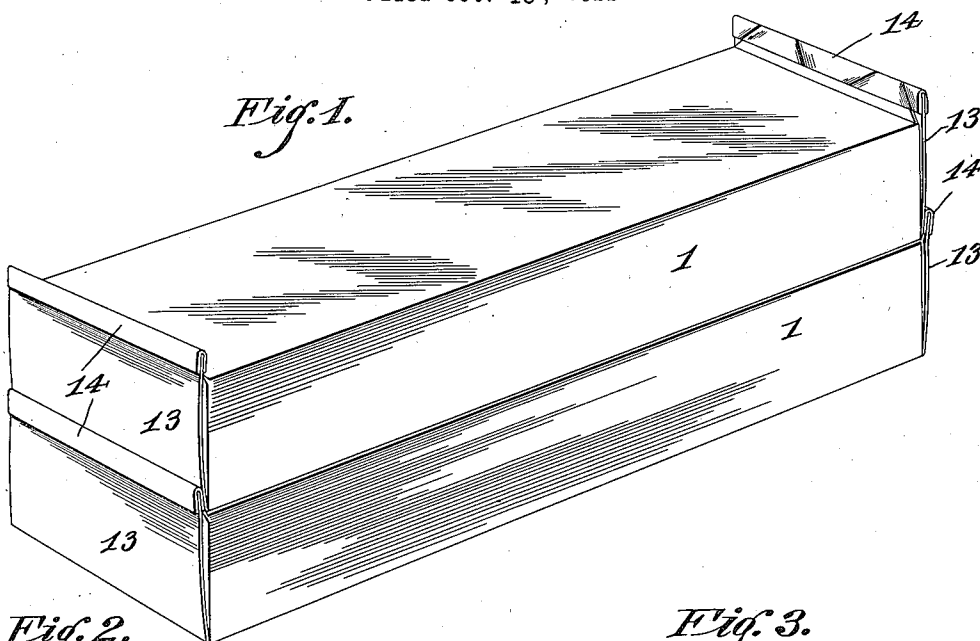


Fig. 2.

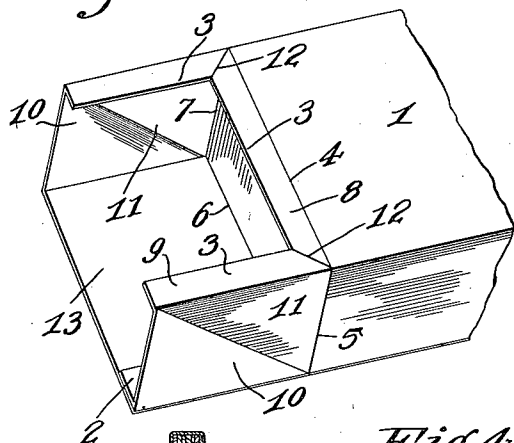


Fig. 3.

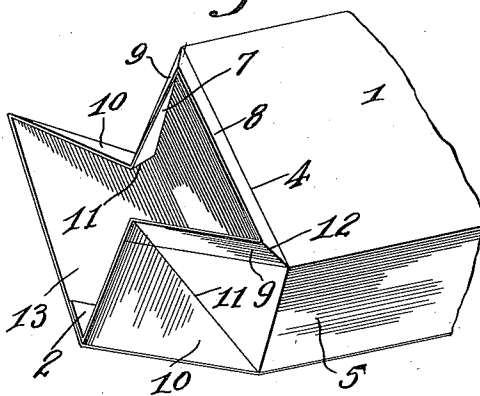


Fig. 4.

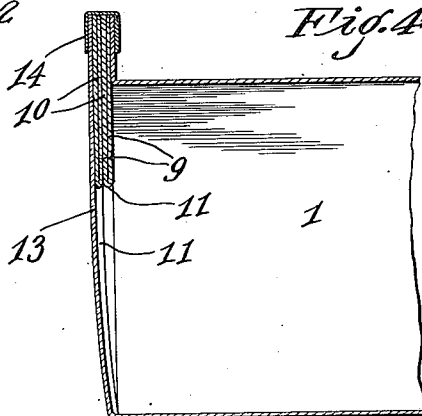


Fig. 5.



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UNITED STATES PATENT OFFICE.

RICHARD S. REYNOLDS, OF LOUISVILLE, KENTUCKY.

CARTON.

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To all whom it may concern:

Be it known that I, RICHARD S. REYNOLDS, a citizen of the United States, residing at Louisville, State of Kentucky, have invented certain new and useful Improvements in Cartons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved carton and more particularly to a carton the construction of which adapts it to nest with other cartons of similar construction to facilitate the handling and the safe packing of same for shipment.

The objects of the present invention are to provide a device of the character indicated of an improved and simplified structure adapted to quick and easy application to the article to be packed and to further provide such a carton of superior sealing and preservative qualities.

The invention consists in the novel construction, arrangement and combination of parts as are hereinafter more particularly described and claimed.

One sheet of drawings accompanies this specification as part thereof in which like reference characters indicate similar parts throughout.

Figure 1 is a perspective view of two improved cartons in their nested position;

Fig. 2 is a fragmentary end view of the improved carton preliminary to folding;

Fig. 3 is a fragmentary perspective view of the end of the carton with the folding operation partially completed;

Fig. 4 is a longitudinal vertical section through the end of a carton completely folded and sealed, and

Fig. 5 is a fragmentary cross-sectional view on an enlarged scale showing the preferred form of material for constructing the carton.

In accordance with the present invention the material from which the carton is to be constructed is preliminarily folded into rectangular form with open ends. Adjacent each end a rectangular piece is removed from one face as upon lines 3—3—3 leaving marginal tabs 9—8—9 as illustrated in Fig. 2. In this condition the article to be packed may be inserted into the body of the container 1 and the ends of the container are folded upon the transverse lines 4—5—

6—7, the ends 10 being folded inwardly upon the diagonal lines 11—11 while the tabs 9—8—9 are folded upwardly being bent upon the diagonal lines 12—12. The part of the bottom 13 constituting the end part is folded upwardly and over the inturned side parts 10—10 as is illustrated in Fig. 4. As thus folded the tabs 9—9 extend upwardly and rearwardly being brought into contact with the upturned tab 8 while the outer edge of the bottom end part 13 overlaps these tabs as is illustrated in Fig. 4. The sealing strip 14 of tin or other suitable material having a channel cross section is provided and adapted to embrace the superposed tabs and to be clinched thereon as is illustrated in Fig. 1.

In practice the carton is preferably constructed of composite material consisting of a sheet of nonabsorbent card-board or heavy paper 15 to which is applied a coating of water-proof cement 16 which secures a sheet of tinfoil 17 to the paper base. With material of this character the tinfoil base 17 is preferably turned outermost and the completed carton furnishes a substantial water and air-tight container.

By reason of the structure thus described it will be apparent that the upstanding tabs encased in the metal sealing strip 14 provide resilient end members between which the bottom of a similar carton may be placed and which will securely hold such carton in position thus greatly facilitating the handling and shipment of goods thus protected.

Having thus fully described my invention, I claim:

1. A carton of substantially rectangular form having the top cut out adjacent an end to form tabs extending along the longitudinal edges and transversely of the top, said tabs adapted to be turned outwardly and upwardly to form an upwardly projecting mouth in association with an edge of a portion of the bottom upturned to constitute the end of the carton.

2. A structure as described in claim 1, and means for sealing said mouth.

3. A structure as described in claim 1, and sealing means for said mouth comprising a metallic strip of channel cross section adapted to clinch over said tabs, and an upturned edge of a portion of the bottom constituting the end of the carton.

4. A carton of substantially rectangular

form having one face cut out adjacent an end to form tabs extending along the longitudinal edges and transversely of the face, all of said tabs adapted to be turned outwardly and upwardly, while the sides adjacent the end of the carton are folded inwardly, being bent on diagonal lines to fold upon themselves, and a portion of the bottom of the carton adjacent the end is folded upwardly and over the inturned sides, so that its outer edge extends above the box and adjacent the said upturned tabs, substantially as specified.

5. A carton having both ends constructed and bent to form closures sealed and extending above the plane of the top of the carton, said closures constituting resilient gripping members.

6. A carton of substantially rectangular form having means for closing the open end thereof comprising a relatively short tab bent outwardly of the carton from one face thereof, a flap extending from the opposite face of the carton having its free end disposed adjacent said tab, and foldable side members extending between the side edges

of said flap and the sides of the carton, said foldable side members having flaps extending between the tab and first mentioned flap.

7. A carton of substantially rectangular form having means for closing the open end thereof comprising a relatively short tab bent outwardly of the carton from one face thereof, a flap extending from the opposite face of the carton adapted to have its free end disposed adjacent said tab, foldable side members extending between the sides of said flap and the sides of the carton, said foldable side members having each a tab integrally connected with the first tab and adapted to extend above the carton and intermediate said first-mentioned tab and the upper end of the flap.

8. A carton having both ends constructed and bent to form a plurality of tabs integral respectively with the top and end parts of the carton, said tabs extending vertically above the top of the carton and constituting sealable mouths and spaced resilient gripping members.

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